

WHAT IS CLAIMED IS:

1. For use with a portable cell phone, a proximity regulation system, comprising:

3 a location sensing subsystem configured to determine a
4 location of said portable cell phone proximate a user; and

5 a power governing subsystem, coupled to said location
6 sensing subsystem, configured to determine a proximity transmit
7 power level of said portable cell phone based on said location.

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2. The proximity regulation system as recited in Claim 1
wherein said proximity transmit power level is reduced when said
location is within a vicinity of a user's head.

3. The proximity regulation system as recited in Claim 1
wherein said proximity transmit power level is limited to a
predetermined maximum level.

4. The proximity regulation system as recited in Claim 1
wherein said proximity transmit power level is maximum when said
portable cell phone is operating in a headset operation mode or
data transfer operation mode.

5. The proximity regulation system as recited in Claim 1
2 wherein said portable cell phone is located on a belt-clip of said
3 user.

6. The proximity regulation system as recited in Claim 1
2 wherein said location sensing subsystem or said power governing
3 subsystem is embodied in an integrated circuit.

7. The proximity regulation system as recited in Claim 1
20 wherein said location sensing subsystem or said power governing
30 subsystem is embodied in a sequence of operating instructions.
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8. The proximity regulation system as recited in Claim 1
2 wherein said location sensing subsystem determines said location by
3 employing a sensor selected from the group consisting of:

- 4 a designated sensor,
5 a contact sensor,
6 a belt clip sensor, and
7 a cradle sensor.

9. The proximity regulation system as recited in Claim 1
2 wherein said location sensing subsystem determines said location by
3 ascertaining a mode of operation of said portable cell phone.

10. A method of operating a portable cell phone, comprising:

2 determining a location of said portable cell phone

3 proximate a user;

4 providing a control signal based on said location; and

5 determining a proximity transmit power level of said

6 portable cell phone based on said control signal.

11. The method as recited in Claim 10 wherein said proximity

2 transmit power level is reduced when said location is within a

3 vicinity of a user's head.

12. The method as recited in Claim 10 wherein said proximity

2 transmit power level is limited to a predetermined maximum level.

13. The method as recited in Claim 10 wherein said proximity

2 transmit power level is maximum when said portable cell phone is

3 operating in a headset operation mode or data transfer operation

4 mode.

14. The method as recited in Claim 10 wherein said portable

2 cell phone is located on a belt-clip of said user.

15. The method as recited in Claim 10 wherein said
2 determining said location is performed by a location sensing
3 subsystem embodied in an integrated circuit.

16. The method as recited in Claim 10 wherein said
2 determining a proximity transmit power level is performed by a
3 power governing subsystem embodied in a sequence of operating
4 instructions.

17. The method as recited in Claim 10 wherein said
determining a location employs a sensor selected from the group
consisting of:

- 4 a designated sensor,
- 5 a contact sensor,
- 6 a belt clip sensor, and
- 7 a cradle sensor.

18. The method as recited in Claim 10 wherein said
2 determining a location is performed by ascertaining a mode of
3 operation of said portable cell phone.

19. A portable cell phone, comprising:

2 a power circuit that provides a network adjusted transmit
3 power level as a function of a position to a communications tower;
4 and

5 a proximity regulation system, including:

6 a location sensing subsystem that determines a
7 location of said portable cell phone proximate a user; and
8 a power governing subsystem, coupled to said
9 location sensing subsystem, that determines a proximity
10 transmit power level of said portable cell phone based on said
11 location.

20. The portable cell phone as recited in Claim 19 wherein
2 said proximity transmit power level is reduced when said location
3 is within a vicinity of a user's head.

21. The portable cell phone as recited in Claim 19 wherein
2 said proximity transmit power level is limited to a predetermined
3 maximum level.

22. The portable cell phone as recited in Claim 19 wherein
2 said proximity transmit power level is maximum when said portable
3 cell phone is operating in a headset operation mode or data
4 transfer operation mode.

23. The portable cell phone as recited in Claim 19 wherein
2 said portable cell phone is located on a belt-clip of said user.

24. The portable cell phone as recited in Claim 19 wherein
2 said location sensing subsystem or said power governing subsystem
3 is embodied in an integrated circuit.

25. The portable cell phone as recited in Claim 19 wherein
2 said location sensing subsystem or said power governing subsystem
3 is embodied in a sequence of operating instructions.

26. The portable cell phone as recited in Claim 19 wherein
2 said location sensing subsystem determines said location by
3 employing a sensor selected from the group consisting of:
4 a designated sensor,
5 a contact sensor,
6 a belt clip sensor, and
7 a cradle sensor.

27. The portable cell phone as recited in Claim 19 wherein
2 said location sensing subsystem determines said location by
3 ascertaining a mode of operation of said portable cell phone.

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